

UNIVERSIDAD DE GRANADA

MODELO DE PRESENTACIÓN CORPORATIVA



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DyNGoS (Dynamic Network for Gamification of Science)



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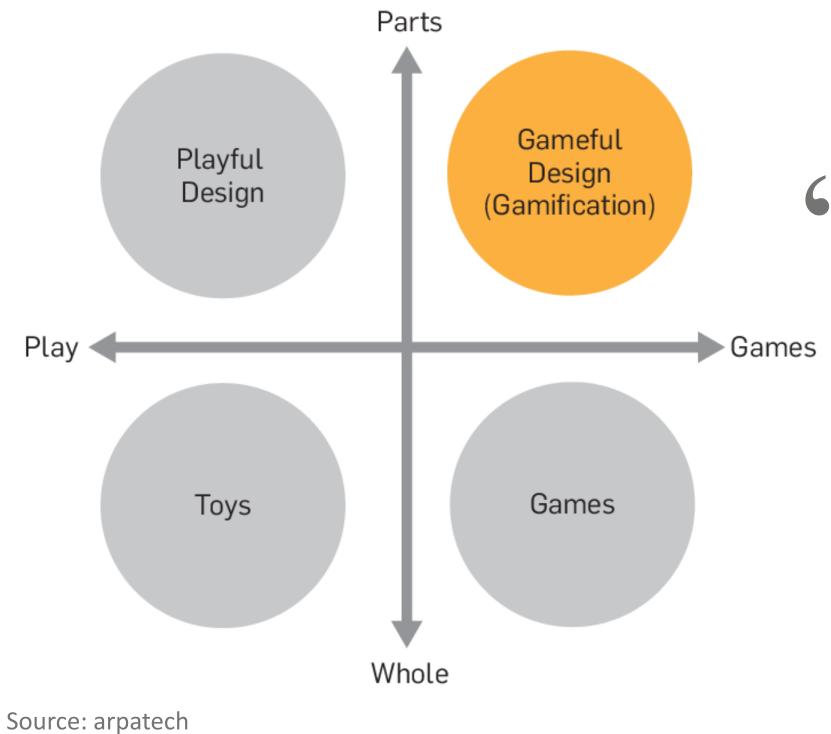
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IF YOU WANT TO KNOW MORE

INTRODUCTION PREVIOUS IDEAS AND SUMMARY



SUMMARY

Gamification incorporates elements of gaming into traditional learning process (rankings, goals, levels, rewards,...).

Serious gaming are complete games that simulate a real situation which is used for training and learning.

Both offer similar benefits to engage students at different education levels:

- Students take active part in the learning process.
- Increase motivation.
- Collaborative and significant learning.
- Put knowledge into practice.
- Pedagogical value of fun and competition.

"It's play that helps us do serious things better" — Daniel Debow



TEAM PEOBLE AND SUBJECTS INVOLVED



PEDRO ÁLVAREZ LLORET
Geology | University of Oviedo



CRISTINA AZNARTE MELLADO Chemistry | IES Aricel, Granada



DIEGO NIETO LUGILDE Biology | University of Córdoba



MARTA NIETO LUGILDE
Biology | University of Murcia



CARLOS TORRECILLA SALINAS

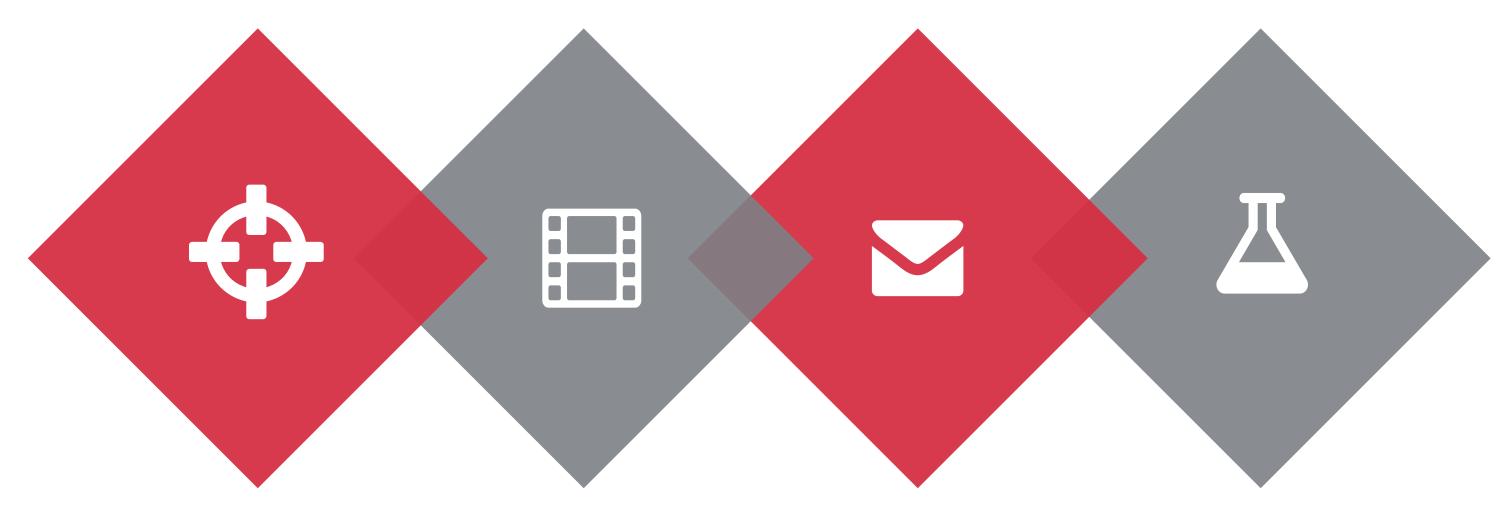
Maths & Physics | University of
Sevilla | Vrije Universiteit Brussel



RAFAEL NAVAJAS PÉREZ
Biology | University of Granada



OBJECTIVES EXPECTATIONS AND GOALS.



GOAL 1 **Popularization**

To promote scientific culture by creating significant learning experiences. To increase students engagement.

GOAL 2 **Gamification**

To use strategies for gamification of main scientific areas: Biology and Geology, Physics, Chemistry, Maths

GOAL 3 Validation

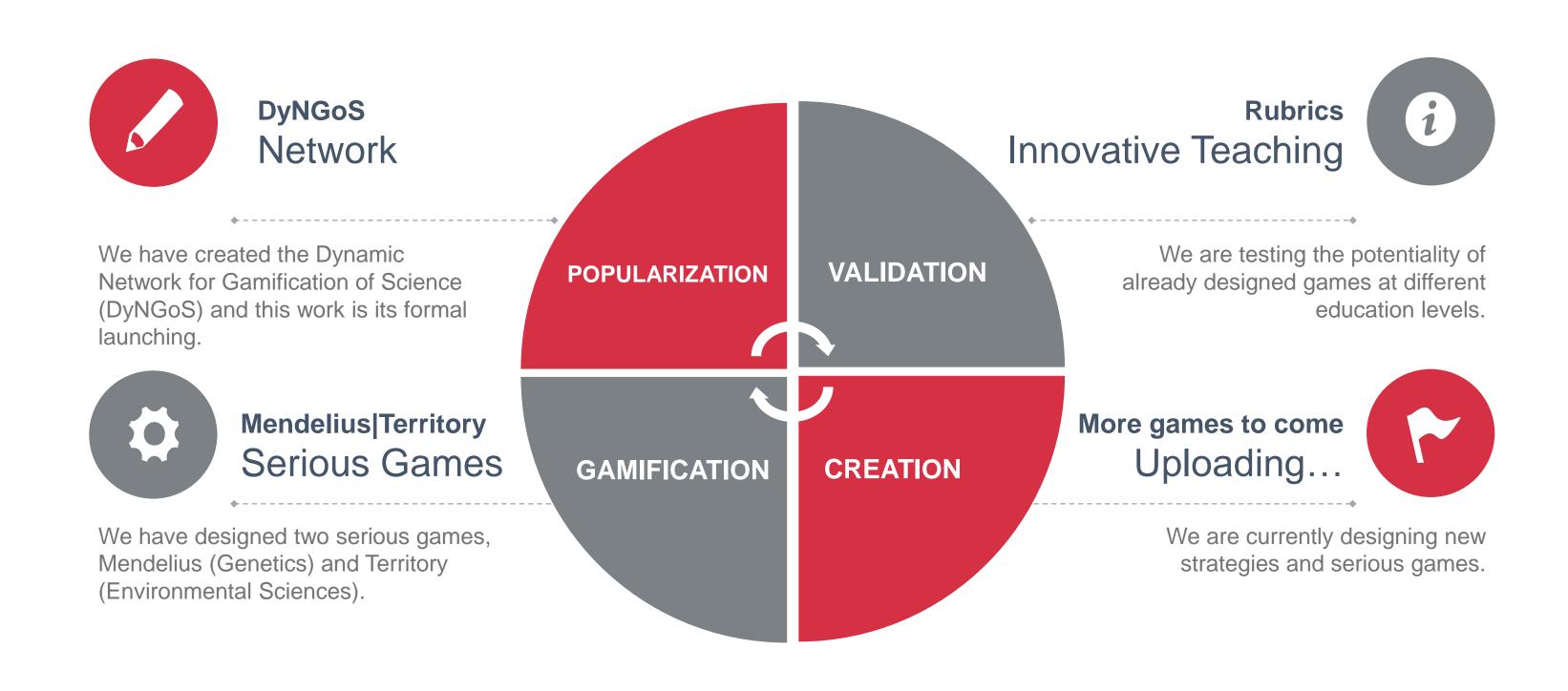
To validate potentiality of already designed serious games as innovative teaching tools at different education levels.

GOAL 4 Creation

To design new gamification strategies and serious games.



ACTIVITIES AND ACTIONS DEVELOPED.





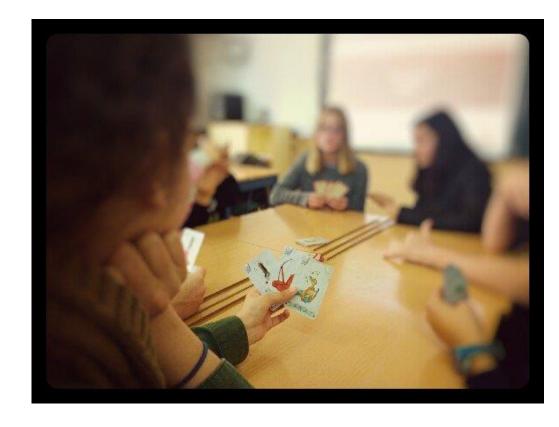
IMPACT RELATION BETWEEN PROJECT AND ENGAGEMENT



Mendelius

A card game to learn the principles of Genetics (Mendel's Laws) www.mendelius.com







- Mendelius is being used in about 100 Spanish high-schools and some Sudamerican education centers to teach Mendel's Principles.
- >4000 downloads of Mendelius app from GooglePlay store.
- Unk. downloads of Print&Play version.
- A version in English and French is currently being generated.



IMPACT

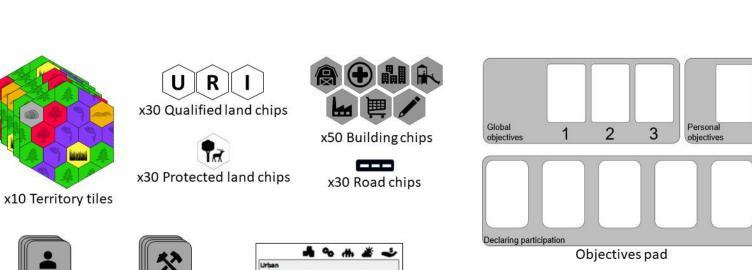
RELATION BETWEEN PROJECT AND ENGAGEMENT



Territory

A tabletop game to raise awareness of the complexity of Environmental Sciences and the need to balance between human development, societal welfare, and nature protection and conservation.





Objectives pad

- Territory has been piloted both in Brussels and Granada in several gaming sessions.
- It has also been used to introduce the subject to future students of Environmental Sciences
- We plan to introduce it in real learning experiences as part of the Environmental Sciences degree



x50 Personal

objective cards

x22 Global

objective cards (3cards/player)

x12 Action cards

x15 voting cards



Further information

IF YOU WANT TO KNOW MORE ABOUT IT



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